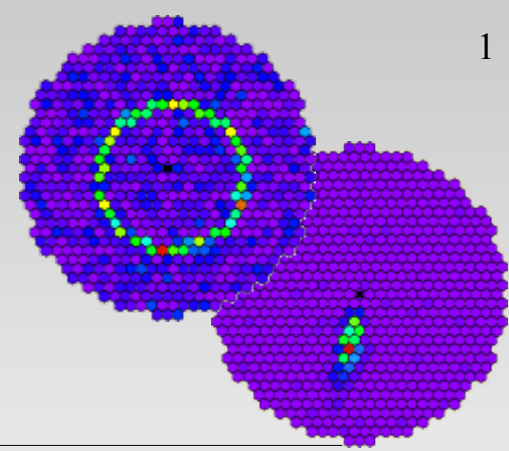
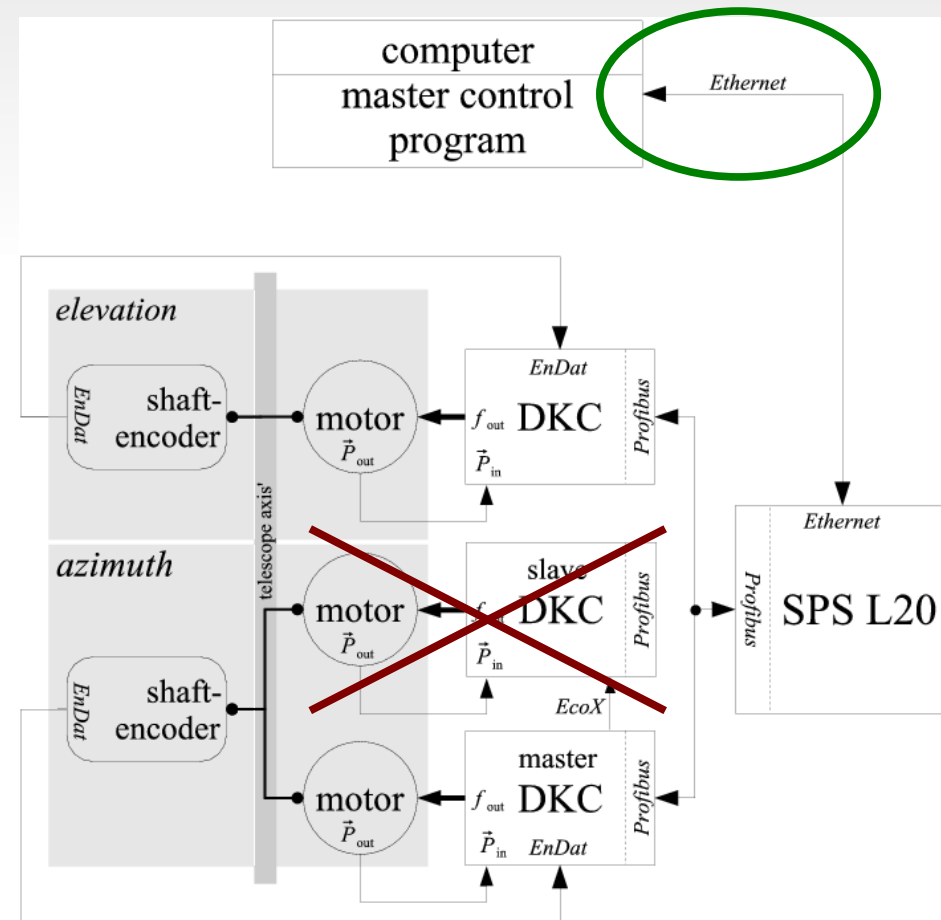


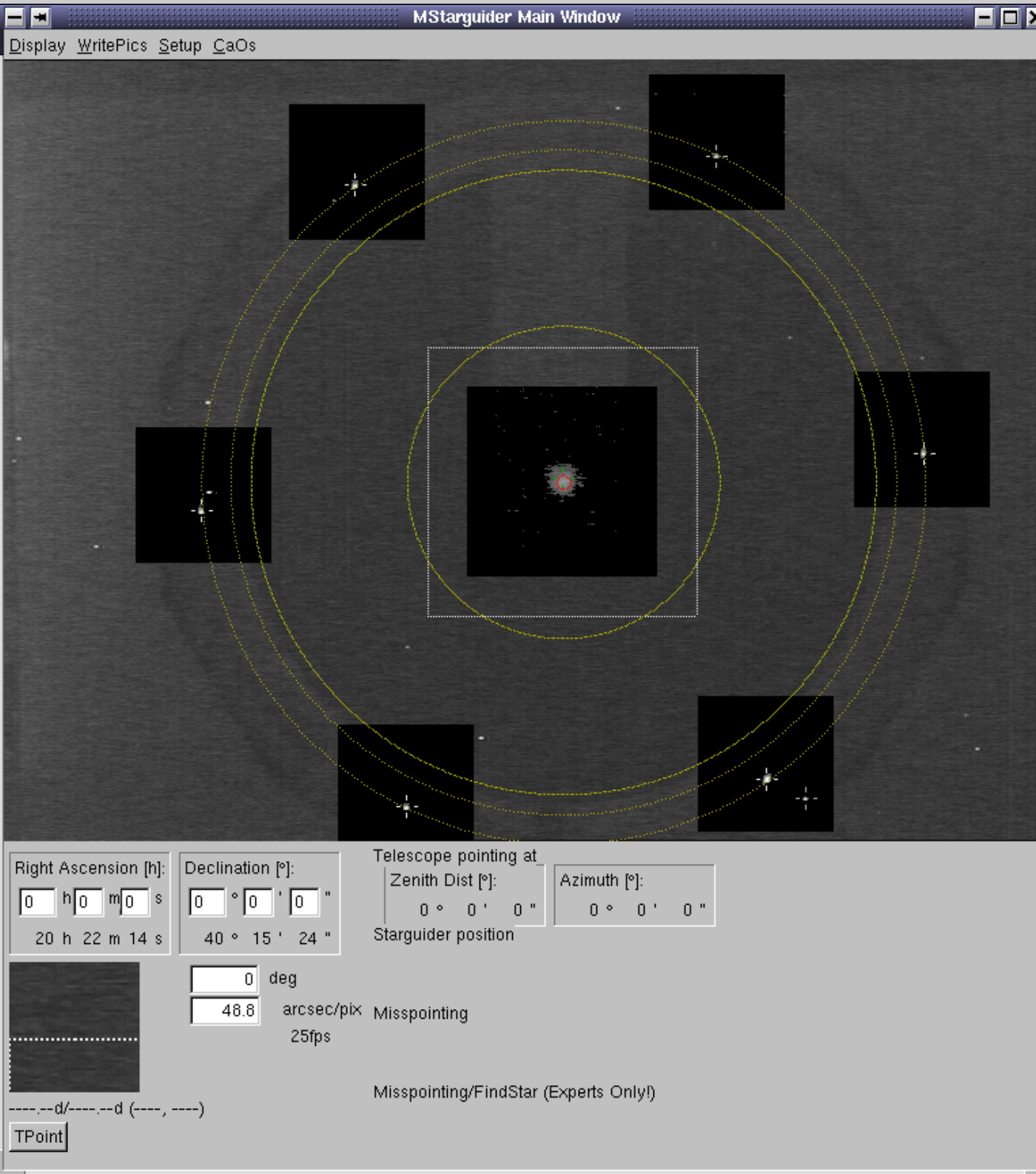


# Drive software



- Cosy2 should work out of the box also for Dwarf, expect
- either we need a video4linux frame grabber card or I have to make this part of the software able to be switched off.
- The communication is quite easy and based on TCP/IP.
- If the frame grabber part (starguider) is removed even a laptop could run Cosy2
- In the future we hope to implement the algorithms directly into the SPS.
- Carsten is working on this.
- This would make the PC obsolete.





- Measure at the same time
  - The position of the star
  - Its nominal position

- With many measurements a pointing correction for all Zd and Az can be calculated.

- We do the same for the FOV of the starguider

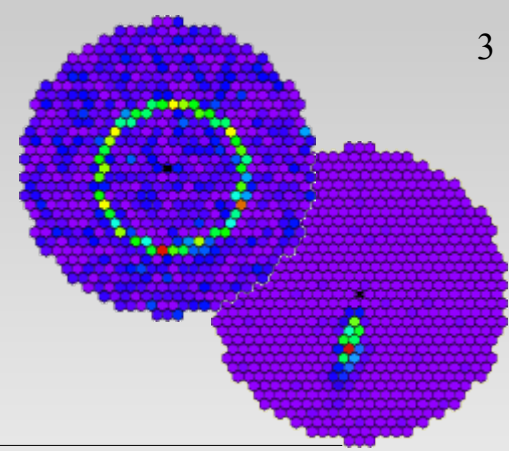
- There are a lot unknown systematics:
  - Determination of camera center
  - Stability of starguider w.r.t. telescope axis

➡ A more direct method would be preferable

➡ APD current



# Drive software



- We have to decide whether we need the starguider. If we can calibrate using the APDs it would be a much more cleaner solution and the tracking become really simple, and thus consequently stable.
- What is missing:
  - TPOINT automation, which is really needed not only for M2
  - A control software which can take TPOINTS for DWARF.
  - If done with the APDs this must be implemented in the Control software anyway.
  - This should be discussed and started soon. It will be one of the most urgent tasks after the drive is installed and working.